

A MULTI-LAYER COMPOSITE OBJECTIVE IMAGE QUALITY METRIC

ABSTRACT OF THE DISCLOSURE

5 A composite image is segmented into regions corresponding to different objects within the image based upon motion vectors for pixel blocks within the image. Each image segment is assigned an importance based on relative size of the region and average scalar value of motion vectors for pixel blocks within the region. Objective image quality values are computed for each region, and the products of importance indicators and objective image quality values for each segment are summed across all segments within the image to obtain an overall image quality.